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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of:

Benjamin C. Ford

FILTERED MATRIX COLOR  
CORRECITON

Serial No. 09/605,185

Filed 28 June 2000

Group Art Unit: 2623

Examiner: Jingge Wu

I hereby certify that this correspondence is being deposited today with the United States Postal Service as first class mail in an envelope addressed to Commissioner For Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

*Lisa DeMunck*  
Lisa DeMunck

*September 26, 2003*  
Date

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA. 22313-1450

Sir:

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Technology Center 2600

**LETTER**

As discussed in the Response dated September 18, 2003, enclosed please find copies of the references which were cited in the Information Disclosure Statement filed September 7, 2001.

Respectfully submitted,

*David A. Novais*

David A. Novais  
Attorney for Applicant(s)  
Registration No. 33,324

DAN/ld  
Encs.-copies of IDS papers 7/7/2001  
all cited art from the PTO 1449  
Telephone: 585-588-2727  
Facsimile: 585-477-1148

09/07/2001

Date Mailed

ASF98094-PA-US

RMG/mr

In re patent application of: Benjamin C. Ford

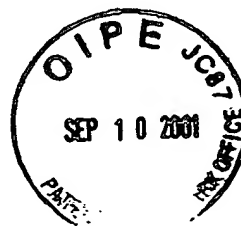
For: METHOD AND APPARATUS FOR IMPROVING THE QUALITY OF  
RECONSTRUCTED INFORMATION

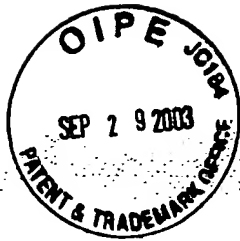
Filed: June 28, 2000

U.S. Serial No.: 09/605185

Receipt is hereby acknowledged in the PTO of the following in connection with the  
above referenced nonprovisional application for patent on the date stamped thereon:

- 1) Transmittal Letter;
- 2) Information Disclosure Statement;
- 3) Form PTO -1449 (6 pages);
- 4) Copies of References





09/07/2001

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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:  
Benjamin C. Ford

By the Examiner:  
Not Assigned

Serial No.: 09/605185

Group Art Unit:

Filed: June 28, 2000

Title: METHOD AND APPARATUS FOR  
IMPROVING THE QUALITY OF  
RECONSTRUCTED INFORMATION

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Assistant Commissioner for Patents  
Washington, D.C. 20231

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Assistant Commissioner for Patents Washington, D.C. 20231	
Martha Rocha	
Print Name	<i>Martha Rocha</i>
Signature	

Dear Sir:

TRANSMITTAL LETTER

Transmitted herewith for filing in the above-identified application for patent are the following documents:

1. Information Disclosure Statement;
2. Form PTO-1449 (6 pages);
3. Copies of references.

No fee is due.

RESPECTFULLY SUBMITTED,  
Benjamin C. Ford

By: *Raymond M. Galasso*  
Raymond M. Galasso  
Reg. No. 37,832

SIMON, GALASSO & FRANTZ PLC  
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UNITED STATES PATENT AND TRADEMARK OFFICE

PATENT

In re Application of:  
Benjamin C. Ford

Serial No.: 09/605185

Filed: June 28, 2000

Title: METHOD AND APPARATUS FOR  
IMPROVING THE QUALITY OF  
RECONSTRUCTED INFORMATION

By the Examiner:  
Not Assigned

Group Art Unit:

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Assistant Commissioner for Patents  
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Assistant Commissioner for Patents  
Washington, D.C. 20231

Martha Rocha

Print Name

Signature

Dear Sir:

INFORMATION DISCLOSURE STATEMENT

Applicant submits herewith patents, publications or other information of which he is aware, which he believes may be material to the patentability of this application and in respect of which there may be a duty to disclose in accordance with 37 CFR 1.56.

While this Information Disclosure Statement may be "material" pursuant to 37 CFR 1.56, it is not intended to constitute an admission that any patent, publication or other information referred to herein is "prior art" for this invention unless specifically designated as such.

In accordance with 37 CFR 1.97(g) the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR 1.56(a) exists.

The attached form, PTO-1449, provides a listing of patents, publications, or other information as required by 37 CFR 1.98(a)(1).

A copy of each of these items on PTO-1449 is supplied herewith.

Respectfully submitted,  
Benjamin C. Ford

By:



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Reg. No. 37,832

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FORM PTO-1449		ATTY. DOCKET	ASF98094	SERIAL NO.	09/605185
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION		APPLICANT	Benjamin C. Ford		
DISCLOSURE STATEMENT		FILING DATE	June 28, 2000	GROUP	
		FOR: METHOD AND APPARATUS FOR IMPROVING THE QUALITY OF RECONSTRUCTED INFORMATION			

## UNITED STATES LETTERS PATENT

		DOCUMENT NUMBER							DATE	NAME	CLASS	SUB CLASS
		2	4	0	4	1	3	8	Oct. 6, 1941	Mayer, A.L.	95	94
		3	5	2	0	6	8	9	Jul. 14, 1970	Nagae et al.	96	55
		3	5	2	0	6	9	0	Jul. 14, 1970	Nagae et al.	96	55
		3	5	8	7	4	3	5	Jun. 28, 1971	Chioffe	95	89
		3	6	1	5	4	7	9	Oct. 26, 1971	Kohler et al.	96	48
		3	6	1	5	4	9	8	Oct. 26, 1971	Aral	96	55
		3	6	1	7	2	8	2	Nov. 2, 1971	Bard	96	59
		3	7	4	7	1	2	0	Jul 17, 1973	Stemme	346	75
		3	9	0	3	5	4	1	Sep. 2, 1975	Von Meister et al.	354	317
		3	9	4	6	3	9	8	Mar 23, 1976	Kyser et al.	346	1
		3	9	5	9	0	4	8	May 25, 1976	Stanfield et al.	156	94
		4	0	2	6	7	5	6	May 31, 1977	Stanfield et al.	156	554
		4	0	8	1	5	7	7	Mar. 28, 1978	Horner	427	424
		4	1	4	2	1	0	7	Feb. 27, 1979	Hatzakis et al.	250	571
		4	2	1	5	9	2	7	Aug. 5, 1980	Grant et al.	354	317
		4	2	4	9	9	8	5	Feb. 10, 1981	Stanfield	156	554
		4	3	0	1	4	6	9	Nov. 17, 1981	Modeen et al.	358	75
		4	4	9	0	7	2	9	Dec. 25, 1984	Clark et al.	346	75
		4	5	0	1	4	8	0	Feb. 26, 1985	Matsui et al.	354	298

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUB CLASS
		WO 90/01240							Feb. 8, 1990	PCT	H04N	1/40
		WO 91/09493							Jun. 27, 1991	PCT	H04N	5/217
		WO 97/25652							Jul. 17, 1997	PCT	G03D	5/00
		WO 98/19216							May 7, 1998	PCT	G03C	5/29
		WO 98/25399							Jun. 11, 1998	PCT	H04N	1/38
		WO 98/31142							Jul. 16, 1998	PCT	H04N	5/253
		WO 98/34157							Aug. 6, 1998	PCT	G03D	

## OTHER ART (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

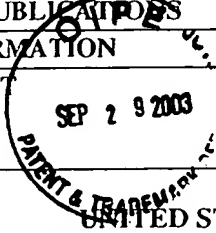
		"Adaptive Fourier Threshold Filtering: A Method to Reduce Noise and Incoherent Artifacts in High Resolution Cardiac Images", Doyle, M., et al., 8306 Magnetic Resonance in Medicine 31, No. 5, Baltimore, MD, May, pp. 546-550, 1994.										
		"Anisotropic Spectral Magnitude Estimation Filters for Noise Reduction and Image Enhancement", Aich, T., et al., Philips GmbH Research Laboratories, IEEE, pp. 335-338, 1996.										
		"Adaptive-neighborhood filtering of images corrupted by signal-dependent noise", Rangayyan, R., et al., Applied Optics, Vol. 37, No. 20, pp. 4477-4487, July 10, 1998.										
		"Grayscale Characteristics", The Nature of Color Images, Photographic Negatives, pp. 163-168.										
		"Parallel Production of Oligonucleotide Arrays Using Membranes and Reagent Jet Printing", Stimpson, D., et al., Research Reports, BioTechniques, Vol. 25, No. 5, pp. 886-890, 1998.										
		"Low-Cost Display Assembly and Interconnect Using Ink-Jet Printing Technology", Hayes, D. et al., Display Works '99, MicroFab Technologies, Inc., pp. 1-4, 1999.										
		"Ink-Jet Based Fluid Microdispensing in Biochemical Applications", Wallace, D., MicroFab Technologies, Inc., Laboratory Automation News, Vol. 1, No. 5, pp. 6-9, Nov., 1996.										

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449	ATTY. DOCKET	ASF98094	SERIAL NO.	09/605185
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION	APPLICANT	Benjamin c. Ford		
DISCLOSURE STATEMENT	FILING DATE	June 28, 2000	GROUP	
FOR: METHOD AND APPARATUS FOR IMPROVING THE QUALITY OF RECONSTRUCTED INFORMATION				



## UNITED STATES LETTERS PATENT

		DOCUMENT NUMBER							DATE	NAME	CLASS	SUB CLASS
		4	5	6	4	2	8	0	Jan. 14, 1986	Fukuda	354	317
		4	5	9	4	5	9	8	Jun. 10, 1986	Iwagami	346	140
		4	6	2	1	0	3	7	Nov. 4, 1986	Kanda et al.	430	30
		4	6	2	3	2	3	6	Nov. 18, 1986	Stella	354	318
		4	6	3	6	8	0	8	Jan. 13, 1987	Herron	346	75
		4	6	6	6	3	0	7	May 19, 1987	Matsumoto et al.	356	404
		4	6	7	0	7	7	9	Jun 2, 1987	Nagano	358	75
		4	7	3	6	2	2	1	Apr. 5, 1988	Shidara	354	317
		4	7	4	5	0	4	0	May 17, 1988	Levine	430	21
		4	7	5	5	8	4	4	Jul. 5, 1988	Tsuchiya et al.	354	317
		4	7	7	7	1	0	2	Oct. 11, 1988	Levine	430	21
		4	7	9	6	0	6	1	Jan. 3, 1989	Ikedo et al.	355	73
		4	8	1	4	6	3	0	Mar. 21, 1989	Lim	250	578
		4	8	2	1	1	1	4	Apr. 11, 1989	Gebhardt	358	75
		4	8	4	5	5	5	1	Jul. 4, 1989	Matsumoto	358	80
		4	8	5	1	3	1	1	Jul. 25, 1989	Millis et al.	430	30
		4	8	5	7	4	3	0	Aug. 15, 1989	Millis et al.	430	30
		4	8	7	5	0	6	7	Oct. 17, 1989	Kanzaki et al.	354	325
		4	9	6	9	0	4	5	Nov. 6, 1990	Haruki et al.	358	228

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS
		WO 98/34397	Aug. 6, 1998	PCT	H04N	
		WO 99/43148	Aug. 26, 1999	PCT	H04N	1/00
		WO 01/01197	Jan. 4, 2001	PCT	G03D	5/00
		WO 01/13174 A1	Feb. 22, 2001	PCT	G03D	5/06
		EP 0 261 782 A2	Aug. 14, 1987	Europe	H04N	1/46
		EP 0 422 220 A1	Mar. 28, 1989	Europe	A61B	6/03
		EP 0 482 790 B1	Sep. 9, 1991	Europe	H04N	1/40
		EP 0 525 886 A3	Jul. 21, 1992	Europe	G03D	5/00
		EP 0 580 293 A1	Jun. 22, 1993	Europe	H04N	1/04
		EP 0 669 753 A2	Feb. 24, 1995	Europe	H04N	1/407

## OTHER ART (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

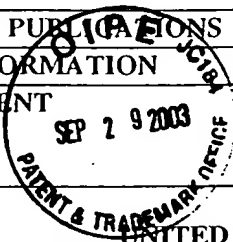
		"Protorealistic Ink-Jet Printing Through Dynamic Spot Size Control", Wallace, D., Journal of Imaging Science and Technology, Vol. 40, No. 5, pp. 390-395, Sep/Oct. 1996.
		"MicroJet Printing of Solder and Polymers for Multi-Chip Modules and Chip-Scale Package", Hayes, D., et al., MicroFab Technologies, Inc.
		"A Method of Characterisitics Model of a Drop-on-Demand Ink-Jet Device Using an Integral Method Drop Formation Model", Wallace, D., MicroFab Technologies, Inc., The American Society of Mechanical Engineers, Winter Annual Meeting, pp. 1-9, Dec. 10-15, 1989.
		"Digital Imaging Equipment White Papers", Putting Damaged Film on ICE, <a href="http://www.nikonusa.com/reference/whitepapers/imaging">www.nikonusa.com/reference/whitepapers/imaging</a> , Nikon Corporation, Nov. 28, 2000.

EXAMINER

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		DOCUMENT NUMBER							DATE	NAME	CLASS	SUB CLASS
		4	9	9	4	9	1	8	Feb. 19, 1991	Lingemann	358	214
		5	0	3	4	7	6	7	Jul. 23, 1991	Netz et al.	354	317
		5	1	0	1	2	8	6	Mar. 31, 1992	Patton	358	487
		5	1	2	4	2	1	6	Jun. 23, 1992	Giapis et al.	430	30
		5	1	5	5	5	9	6	Oct. 13, 1992	Kurtz et al.	358	214
		5	1	9	6	2	8	5	Mar. 23, 1993	Thomson	430	30
		5	2	1	2	5	1	2	May 18, 1993	Shiota	354	319
		5	2	3	1	4	3	9	Jul. 27, 1993	Takahashi et al.	354	313
		5	2	3	5	3	5	2	Aug. 10, 1993	Pies et al.	346	140
		5	2	5	5	4	0	8	Oct. 26, 1993	Blackman	15	308
		5	2	6	6	8	0	5	Nov. 30, 1993	Edgar	250	330
		5	2	6	7	0	3	0	Nov. 30, 1993	Giorgianni et al.	358	527
		5	2	9	2	6	0	5	Mar. 8, 1994	Thomson	430	30
		5	2	9	6	9	2	3	Mar. 22, 1994	Hung	358	527
		5	3	5	0	6	5	1	Sep. 27, 1994	Evans et al.	430	21
		5	3	5	0	6	6	4	Sep. 27, 1994	Simons	430	362
		5	3	5	7	3	0	7	Oct. 18, 1994	Glanville et al.	354	324
		5	3	6	0	7	0	1	Nov. 1, 1994	Elton et al.	430	501
		5	3	7	1	5	4	2	Dec. 6, 1994	Pauli et al.	348	262

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS
		EP 0 794 454 A2	Feb. 28, 1997	Europe	G03B	27/73
		EP 0 930 498 A2	Dec. 21, 1998	Europe	G01N	21/88

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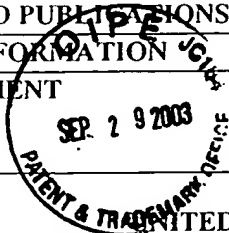
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		DOCUMENT NUMBER							DATE	NAME	CLASS	SUB CLASS
		5	5	6	8	2	7	0	Oct. 22, 1996	Endo	358	298
		5	5	7	6	8	3	6	Nov. 19, 1996	Sano et al.	358	302
		5	5	8	1	3	7	6	Dec. 3, 1996	Harrington	358	518
		5	5	9	6	4	1	5	Jan. 21, 1997	Cosgrove et al.	358	296
		5	6	2	7	0	1	6	May 6, 1997	Manico	430	434
		5	6	6	4	2	5	3	Sep. 2, 1997	Meyers	396	603
		5	6	6	4	2	5	5	Sep. 2, 1997	Wen	396	627
		5	6	6	7	9	4	4	Sep. 16, 1997	Reem et al.	430	359
		5	6	7	8	1	1	6	Oct. 14, 1997	Sugimoto et al.	396	611
		5	6	9	1	1	1	8	Nov. 25, 1997	Haye	430	357
		5	6	9	5	9	1	4	Dec. 9, 1997	Simon et al.	430	379
		5	6	9	8	3	8	2	Dec. 16, 1997	Nakahanada et al.	430	418
		5	7	2	6	7	7	3	Mar. 10, 1998	Mehlo et al.	358	474
		5	7	3	9	8	9	7	Apr. 14, 1998	Frick et al.	355	40
		5	7	7	1	1	0	7	Jun. 23, 1998	Fujimoto et al.	358	464
		5	7	9	0	2	7	7	Aug. 4, 1998	Edgar	358	487
		5	8	3	5	8	1	1	Nov. 10, 1998	Tsumura	396	598
		5	8	7	0	1	7	2	Feb. 9, 1999	Blume	355	27
		5	8	8	0	8	1	9	Mar. 9, 1999	Tanaka et. Al.	355	75

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